

N60508.AR.000640
NAS WHITING FIELD
5090.3a

MONTHLY PROGRESS REPORT FOR PHASE 2A REMEDIAL INVESTIGATIONS DURING
JANUARY 1993 WITH TRANSMITTAL NAS WHITING FIELD FL
2/4/1993
ABB ENVIRONMENTAL



03.04.00.0011

1D-00191

February 4, 1993

Commanding Officer
ATTN: Kim Queen, Code 1859
Southern Division
Naval Facilities Engineering Command
2155 Eagle Drive
Charleston SC 29411-0068

SUBJECT: **Monthly Progress Report**
Remedial Investigation - Phase IIA
Naval Air Station Whiting Field
Milton, Florida
Contract N62467-89-D-0317

Dear Kim:

Enclosed please find the monthly progress report for the Remedial Investigation (Phase IIA) work conducted at NAS Whiting Field during January 1993. An updated project schedule is also enclosed.

If you have any questions, please call me at 904-656-1293 (ext. 314). We look forward to working with you on the completion of this project.

Very truly yours,

ABB ENVIRONMENTAL SERVICES INC.

A handwritten signature in black ink that appears to read "Rao V.R. Angara".

Rao V.R. Angara
Task Order Manager

cc: File: 7560-- (11.2.1)
Eric Blomberg, ABB-ES
Jim Holland, NASWF
Robert Pope, USEPA
John Bleiler, ABB-ES
Kathy St. Peter, ABB-ES
Tony Allen, ABB-ES

ABB Environmental Services, Inc.

MONTHLY PROGRESS REPORT
Naval Air Station Whiting Field
January 1993

A. TECHNICAL DESCRIPTION OF TASKS CONDUCTED DURING THIS REPORTING PERIOD

I. Geophysical Survey: On 28 October 1992, ABB-ES received Contract Modification #2 to prepare a technical report describing the activities conducted and results obtained during this task. The draft geophysical survey technical report was submitted to SDIV on 14 December 1992. The report was submitted one month ahead of schedule. Review comments from the EIC and the activity have not been received to date. This might affect the deliverable date of the final draft report.

II. Soil Gas Survey: On 28 October 1992, ABB-ES received Contract Modification #2 to prepare a technical report describing the activities conducted and results obtained during this task. The draft soil gas survey technical report was submitted to the Navy and the activity on January 28, 1993. Upon receipt of their comments, the technical report will be submitted to the regulatory agencies in the final draft form.

III. Surface Water and Sediment Sampling: Surface water and sediment field sampling task has been completed on schedule. All validated data, from the two sampling episodes, have been received from C.C. Johnson and Malhotra (validation subcontractor) during this reporting period. Due to the addition of the Soil Gas and Geophysical Survey reports the project schedule has been revised. The revised deliverable date for submission of Technical Memorandum #1 (Surface Water and Sediment Assessment) is 17 February 1993.

Validated data is being entered into the Automated Data Compliance System (ACS) for data management and assessment purposes.

IV. Data Validation: Analytical data was submitted to C.C. Johnson and Malhotra for NEESA Level C and Level D validation per USEPA and NEESA validation guidelines. Data validation for surface water and sediment samples has been completed. This will be included in Technical Memorandum No. 1 (Surface Water and Sediment Assessment).

V. Elevation and Location Survey: Northwest Florida Engineering is conducting the elevation and location survey at NAS Whiting Field. All sampling locations are being surveyed and included in the CAD file being created to accommodate the survey data. Future survey locations will be added to the CAD file as a separate layer. This will allow the production of separate drawings for each event and also provide a database for future work.

VI. Photography Support: Mr. Keith Peterson (ABB-ES) has provided photographic support in documenting all tasks completed since the beginning of the field program. All photographs are being labeled and placed in a photo album. The video documentation will be reviewed and a 30 minute tape will be prepared at the end of the Phase IIA program.

VII. Soil Boring Program: The soil program initiated on 30 November 1992 was completed during this reporting period (1/21/93). Two field crews were mobilized to complete the task in an efficient manner. The soil borings at Sites 2 and 12 will be initiated upon receipt of authorization from the EIC/SDIV. Attachment A presents the summary of the soil boring program in a tabular form.

VIII. Monitoring Well Installation Program: The monitoring well program was initiated during this reporting period. Similar to the soil boring program two field crews have been mobilized to complete this task. Six monitoring wells have been installed. The protective casing, concrete pad, protective posts will be installed during the next reporting period. The wells will be developed during the next reporting period.

B. STATUS OF WORK TO DATE

- Geophysical survey field program has been completed. A final report was submitted by BGI on 31 August 1992. Based on Contract Modification #2, a technical report presenting the results and findings of this survey was submitted to SDIV on 14 December 1992.
- The field program for soil gas survey has also been completed. NERI submitted the final report to ABB-ES in September 1992. Based on the Contract Modification, a technical report was submitted to the EIC and the activity on 27 January 1993.
- The surface water and sediment sampling task has been completed. A technical memorandum is being prepared to present the assessment of surface water and sediment contamination at NAS Whiting Field.
- The final record search document was submitted to SDIV in September 1992.
- ABB-ES and SDIV met with the U.S. Environmental Protection Agency (USEPA), National Oceanic and Atmospheric Administration (NOAA), and Florida Department of Environmental Regulation (FDER) on 13 November

1993 to discuss Navy response to agency comments for the Phase I Final Technical Memoranda. Several items involving project scope change were recommended by the agencies. These were presented in a scope change memorandum to SDIV.

- Test pitting operations, as proposed in RI Phase I Technical Memorandum 6, have been completed.
- PCPT/BAT activities were started on October 12, 1992 and completed on November 4, 1992. Seven PCPT soundings and 14 BAT samples were collected as planned. Attachment B presents the NEESA Level E data.
- Data packages (surface soil, subsurface soil, surface water, and sediment sampling) were submitted to C.C. Johnson and Malhotra for validation.
- Elevation and location survey of geophysical survey, soil gas survey, soil sampling locations, test pit locations, PCPT/BAT locations has been completed. A draft report for the soil gas survey and geophysical survey was received from the subcontractor.
- The soil program as proposed in the Technical Memorandum No. 6 (Phase I) was completed on 27 January 1993.

C. PROBLEMS ENCOUNTERED DURING REPORTING PERIOD

- During the soil boring program at Site 32 (waste oil tasks), elevated OVA readings were recorded by the field crew. The high OVA readings warranted the use of Level B protection gear.
- The use of the production wells at NASWF were limited by Tumpane (subcontractor for NASWF). Currently a chlorinated source of water adjacent to the sewage treatment plant is being used for installing sand packs. ABB-ES concerns were voiced to Mr. Jim Holland, Environmental Coordinator. Mr. Holland will attempt to find a source of water for use by ABB-ES and the drilling subcontractor.

D. ACTIVITIES PLANNED FOR NEXT MONTH

- TFMR and Monthly Progress Report.
- Preparation of Draft Technical Memorandum #1 and Final Draft Geophysical Survey Technical Report.
- Continue the monitoring well installation program.
- Data Management and evaluation.
- Photography/video documentation.

E. SCHEDULED DELIVERABLES FOR FEBRUARY 1993

- TFMR
- Monthly Progress Report
- Draft Soil Gas Survey Technical Report (submitted 1/28/93)
- Draft Final Geophysical Survey Technical Report
- Draft Technical Memorandum #1 (Surface Water and Sediment Assessment)

F. CORRESPONDENCE AND DOCUMENTS RECEIVED

- Acknowledgement of receipt of subsurface soil samples from CH2MHILL.
- Data packages for subsurface soil samples.
- CCJM data validation reports.
- Laboratory monthly progress report.

G. COST IMPACTS

- As discussed in the previous reports, the change in the test pitting subcontractors has resulted in an increase in the subcontractor costs.
- The analytical cost for analysis of the sample from the Clear Creek area was not included in the scope of CTO-050. A change notification memorandum has been submitted to the ABB-ES contracts manager.

H. SAMPLING AND ANALYSIS RESULTS

- Analytical data (partial) for the soil boring program was received during this reporting period.

I. LABORATORY MONTHLY PROGRESS REPORTS

- Yes

J. PLANNED CHANGES IN PERSONNEL AND THEIR QUALIFICATIONS

- The project team comprises of the following personnel.

Rao Angara, Task Order Manager
Eric Blomberg, Technical Leader
Salvatore Consalvi, Field Operations Leader
Kathleen Hodak, Project Assistant
Matt Alvarez, Associate Engineer
Gopi Kanchibhatla, Associate Engineer
John Bleiler, Senior Scientist (Ecologist)
Keith Peterson, Graphics and Photography
David Daniel, Public Health Specialist
Richard Nelson, Scientist
Nate Hagelin, Hydrologist
Lauren Foster, Geologist

Mr. Richard Nelson, Mr. Nate Hagelin, and Ms. Lauren Foster have been added to the project team. Mr. Hagelin has six years of hydrogeology experience in both public and private sectors. He has served as field operations leader, technical leader, technical reviewer on projects ranging from site assessments to remedial investigations and feasibility studies.

Mr. Patrick Craine and Mr. Gerald Walker have been deleted from the list of key project personnel. However, their services will be used on an as-needed basis.

K. PERCENT COMPLETION

Task	Title	% Complete
1	Project Management	23
2	Field Preparation	26
3	Geophysical Survey	80 (Field Program Completed)
4	Soil Gas Survey	80 (Field Program Completed)
5	Surface water and Sediment Sampling	90 (Sampling Completed)
6	Test Pitting	99
7	Soil Sampling	75 (Surface Soil Sampling Completed)
8	PCPT/BAT	99
9	Soil Boring and Monitoring Well Installation	25
10	Groundwater Sampling	0
11	Water Level Measurement	0
12	Elevation and Location Survey	40
13	Ecological Survey	50
14	Data Validation	16
15	Photography Support	34
16	Technical Memoranda Preparation	8
17	Contamination Assessment Report	0
18	Groundwater Modelling	0

Note: Photography support effort includes videotaping and photographing geophysical survey, soil gas survey, and surface water and sediment sampling events.

L. TARGET/ACTUAL COMPLETION DATES (by task)

Task	Title	Scheduled	Actual
1	Project Management	3-30-92 to 4-30-94	3-30-92 to 6-26-95
2	Field Preparation	4-23-92 to 4-30-94	4-23-92 to 4-30-94
3	Geophysical Survey	5-28-92 to 5-31-93	5-28-92 to 8-14-92
4	Soil Gas Survey	6-26-92 to 6-30-93	6-26-92 to 8-31-92
5	Surface Water and Sediment Sampling	7-6-92 to 8-1-92	7-6-92 to 8-1-92
6	Test Pitting	9-14-92 to 10-9-92	9-14-92 to 10-9-92
7	Soil Sampling	8-3-92 to 11-10-92	8-3-92 to 11-10-92
8	PCPT/BAT	11-5-92 to 12-28-92	10-12-92 to 11-4-92
9	Soil Boring & Well Installation	1-4-93 to 2-4-94	12-1-92 to 2-4-94
10	Groundwater Sampling	2-7-94 to 6-30-94	2-7-94 to 6-30-94
11	Water Level Measurement	5-2-94 to 5-13-94	5-2-94 to 5-13-94
12	Locational Survey	2-7-94 to 3-30-94	2-7-94 to 3-30-94
13	Ecological Survey	2-5-94 to 3-13-94	12-1-92 to 2-26-92
14	Data Validation	6-15-94 to 10-16-94	8-1-92 to 10-16-94
15	Photography Support	5-4-92 to 6-30-94	5-4-92 to 6-30-94
16	Technical Memoranda Preparation	9-1-94 to 4-4-95	12-1-92 to 4-4-95
17	CA Reports	11-16-94 to 11-29-94	11-16-94 to 11-29-94
18	Groundwater Modelling	-----	-----

- Notes:
1. Task 1 includes project management tasks. Therefore it is for the duration of the project.
 2. Task 2 includes the FOL effort for the complete project.
 3. Shaded area indicates modifications to schedule.
 4. The soil boring program was initiated ahead of schedule because the PCPT/BAT operations were completed ahead of schedule.
 5. The PCPT/BAT operations were completed ahead of schedule because the cone soundings could not be conducted to the proposed depths. Also the drill rig and the cone truck were operated simultaneously.
 6. Based on the revised schedule, the Technical Memorandum #1 preparation was started during this reporting period.
 7. Tasks 3 and 4 identify a change in the actual completion dates because the preparation of technical reports has been added to these tasks.

ATTACHMENT A

SUMMARY OF SOIL BORING NAS WHITING FIELD

BORING #	DATE DRILLED	DECON TIME	# SAMPLES COLLECTED	PROPOSED DEPTH	ACTUAL DEPTH DRILLED
WHF-3-SB-1	01-20-93		4	30	27
WHF-3-SB-2	01-09-93		3	10	12
WHF-3-SB-3	01-10-93		3	10	12
WHF-3-SB-4	01-10-93		3	10	12
WHF-3-SB-5	01-08-93		3	10	12
WHF-3-SB-6	01-08-93		7	115	102
WHF-3-SB-7	01-27-93		5	115	22
WHF-3-SB-8	01-08-93		1	30	12
WHF-3-SB-9	01-08-93		4	30	32
WHF-3-SB-10	01-08-93		2	30	17
WHF-32-SB-1	01-09-93		8	50	52
WHF-32-SB-2	01-09-93		3	10	14
WHF-32-SB-3	01-09-93		5	50	22
WHF-32-SB-4	01-10-93		6	50	47
WHF-32-SB-5	01-19-93		7	115	110
WHF-32-SB-6	01-11-93		6	30	47
WHF-32-SB-7	01-20-93		4	30	32
WHF-32-SB-8	01-21-93		2	30	15
WHF-17-SB-1	01-19-93		2	20	17
WHF-17-SB-2	01-19-93		2	10	12
WHF-17-SB-3	01-07-93		1	20	12
WHF-17-SB-4	01-07-93		2	10	12
WHF-17-SB-5	01-19-93		3	20	22
WHF-17-SB-6	01-07-93		3	20	17
WHF-17-SB-7	01-18-93		2	20	17
WHF-17-SB-8	01-18-93		2	10	12
WHF-17-SB-9	01-06-93		2	20	12
WHF-17-SB-10	Hand Augers		0		12
WHF-18-SB-1	01-05-93		2	20	10
WHF-18-SB-2	01-05-93		4	10	22
WHF-18-SB-2	Not Drilled			10	
WHF-18-SB-4	01-05-93		6	20	42
WHF-18-SB-2	01-05-93			10	
WHF-18-SB-6	01-04-93		4	20	25
WHF-18-SB-7	01-05-93		2	20	15
WHF-18-SB-8	01-04-93		3	20	25
WHF-18-SB-9	01-05-93		2	20	15
WHF-18-SB-10	01-04-93		1	20	15
WHF-29-SB-1	01-788-93		4	30	137
WHF-29-SB-2	01-06-93		2	30	14
WHF-29-SB-3	01-06-93		2	130	12
WHF-29-SB-4	01-06-93		3	30	17
WHF-29-SB-5	01-06-93		4	30	17
WHF-30-SB-1	12-08-92		7	130	122
WHF-30-SB-2	01-04-93		2	30	22
WHF-30-SB-3	01-04-93		3	30	17
WHF-30-SB-4	01-05-93		2	30	7 + 27 redill
WHF-30-SB-5	01-05-93		2	30	17
WHF-30-SB-6	01-05-93		2	30	17
WHF-30-SB-7	01-05-93		2	30	12
WHF-33-SB-1	12-03-92		3	120	27
WHF-33-SB-2	12-03-92		9	30	122
WHF-33-SB-3	12-01-92		3	30	22
WHF-33-SB-4	12-02-92		3	30	24
WHF-33-SB-5	12-06-92		4	30	22
WHF-6-SB-1	12-04-92		3	120	22
WHF-6-SB-2	12-04-92		3	20	22
WHF-6-SB-3	12-05-92		7	120	119
WHF-6-SB-4	12-04-92		3	20	22

ATTACHMENT B

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WP0101

Name: CH2M HILL/MGM

Contract: _____

Date: _____ Case No.: V22983 SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 22983001

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: C1V0024643

Level: (low/med) LOW

Date Received: 10/15/92

Moisture: not dec.

Date Analyzed: 10/18/92

Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

UNVALIDATED

CAS NO.	COMPOUND	UG/L	Q
74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	9	J
67-64-1-----	Acetone	11	
75-15-0-----	Carbon Disulfide	2	J
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloroproppane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
591-78-6-----	2-Hexanone	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (total)	2	J

VOLATILE ORGANICS ANALYSIS DATA SHEET

WP-01-02

Lab Name: CH2M HILL/MGM Contract: _____

Lab Code: _____ Case No.: V23008 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 23008001

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B1VO017235

Level: (low/med) LOW Date Received: 10/18/92

Moisture: not dec. Date Analyzed: 10/20/92

Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

Oil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	5	J
67-64-1-----	Acetone	390	E
75-15-0-----	Carbon Disulfide	3	J
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	7	J
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	160	
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
591-78-6-----	2-Hexanone	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (total)	10	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

WP-01-02

Lab Name: CH2M HILL/MGM

Contract: _____

Lab Code: _____

Case No.: V23008

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 23008001

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: B1VO017235

Level: (low/med) LOW

Date Received: 10/18/92

Moisture: not dec.

Date Analyzed: 10/20/92

Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Oil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WP-01-02_DL

ab Name: CH2M HILL/MGM

Contract: _____

ab Code: _____

Case No.: V23008

SAS No.: _____

SDG No.: _____

atrix: (soil/water) WATER

Lab Sample ID: 23008001DL

ample wt/vol: 1.6 (g/mL) ML

Lab File ID: B4V0017249

evel: (low/med) LOW

Date Received: 10/18/92

Moisture: not dec.

Date Analyzed: 10/21/92

C Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

oil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

74-87-3-----Chloromethane	30	U
74-83-9-----Bromomethane	30	U
75-01-4-----Vinyl Chloride	30	U
75-00-3-----Chloroethane	30	U
75-09-2-----Methylene Chloride	15	DJ
67-64-1-----Acetone	270	D
75-15-0-----Carbon Disulfide	30	U
75-35-4-----1,1-Dichloroethene	30	U
75-34-3-----1,1-Dichloroethane	30	U
540-59-0-----1,2-Dichloroethene (total)	30	U
67-66-3-----Chloroform	30	U
107-06-2-----1,2-Dichloroethane	30	U
78-93-3-----2-Butanone	30	U
71-55-6-----1,1,1-Trichloroethane	30	U
56-23-5-----Carbon Tetrachloride	30	U
75-27-4-----Bromodichloromethane	30	U
78-87-5-----1,2-Dichloropropane	30	U
10061-01-5-----cis-1,3-Dichloropropene	30	U
79-01-6-----Trichloroethene	30	U
124-48-1-----Dibromochloromethane	30	U
79-00-5-----1,1,2-Trichloroethane	30	U
71-43-2-----Benzene	130	D
10061-02-6-----trans-1,3-Dichloropropene	30	U
75-25-2-----Bromoform	30	U
591-78-6-----2-Hexanone	30	U
108-10-1-----4-Methyl-2-Pentanone	30	U
127-18-4-----Tetrachloroethene	30	U
79-34-5-----1,1,2,2-Tetrachloroethane	30	U
108-88-3-----Toluene	30	U
108-90-7-----Chlorobenzene	30	U
100-41-4-----Ethylbenzene	30	U
100-42-5-----Styrene	30	U
1330-20-7-----Xylene (total)	30	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

WP-01-02_DL

Lab Name: CH2M HILL/MGM

Contract: _____

Lab Code: _____ Case No.: V23008 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 23008001DL

Sample wt/vol: 1.6 (g/mL) ML Lab File ID: B4VO017249

Level: (low/med) LOW Date Received: 10/18/92

Moisture: not dec. Date Analyzed: 10/21/92

Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

Dil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WP0201

b Name: CH2M HILL/MGM

Contract: _____

b Code: _____ Case No.: V22983 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 22983002

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C1VO024642

Level: (low/med) LOW Date Received: 10/15/92

Moisture: not dec. Date Analyzed: 10/18/92

Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	2	J
67-64-1-----	Acetone	9	J
75-15-0-----	Carbon Disulfide	4	J
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (total)	1	J
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	9	J
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
591-78-6-----	2-Hexanone	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (total)	10	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

WP0202

ab Name: CH2M HILL/MGM

Contract: _____

ab Code: _____

Case No.: 23023

SAS No.: _____

SDG No.: _____

atrix: (soil/water) WATERLab Sample ID: 23023001ample wt/vol: 5.0 (g/mL) MLLab File ID: B2V0017243evel: (low/med) LOWDate Received: 10/20/92

Moisture: not dec. _____

Date Analyzed: 10/20/92C Column: CAP ID: 0.530 (mm)Dilution Factor: 1.0

oil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	4	J
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	2	J
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
591-78-6-----	2-Hexanone	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (total)	10	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

WP0202

Lab Name: CH2M HILL/MGM

Contract: _____

Lab Code: _____ Case No.: 23023 SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: 23023001Sample wt/vol: 5.0 (g/mL) MLLab File ID: B2VO017243Level: (low/med) LOWDate Received: 10/20/92

Moisture: not dec. _____

Date Analyzed: 10/20/92Column: CAP ID: 0.530 (mm)Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

VOLATILE ORGANICS ANALYSIS DATA SHEET

WP-03-01

ab Name: CH2M HILL/MGM

Contract: _____

ab Code: _____

Case No.: V23051

SAS No.: _____

SDG No.: _____

atrix: (soil/water) WATER

Lab Sample ID: 23051001

ample wt/vol: 5.0 (g/mL) ML

Lab File ID: C1V0024772

evel: (low/med) LOW

Date Received: 10/22/92

Moisture: not dec. _____

Date Analyzed: 10/26/92

C Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

oil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	2	BJ
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	14	
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
591-78-6-----	2-Hexanone	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (total)	10	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

WP-03-01

Lab Name: CH2M HILL/MGM Contract: _____Lab Code: _____ Case No.: V23051 SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATER Lab Sample ID: 23051001Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C1V0024772Level: (low/med) LOW Date Received: 10/22/92Moisture: not dec. Date Analyzed: 10/26/92Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WP-03-01A

Lab Name: CH2M HILL/MGM

Contract: _____

Lab Code: _____

Case No.: V23051

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 23051002

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: C1VO024775

Level: (low/med) LOW

Date Received: 10/22/92

Moisture: not dec. _____

Date Analyzed: 10/26/92

C Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Oil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
591-78-6-----	2-Hexanone	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (total)	10	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

WP-03-01A

Lab Name: CH2M HILL/MGM

Contract: _____

Lab Code: _____ Case No.: V23051 SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATERLab Sample ID: 23051002Sample wt/vol: 5.0 (g/mL) MLLab File ID: C1V0024775Level: (low/med) LOWDate Received: 10/22/92

Moisture: not dec. _____

Date Analyzed: 10/26/92Column: CAP ID: 0.530 (mm)Dilution Factor: 1.0

Oil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

VOLATILE ORGANICS ANALYSIS DATA SHEET

WP-03-02

Lab Name: CH2M HILL/MGM

Contract: _____

Lab Code: _____

Case No.: V23094

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 23094001

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: C2VO024855

Level: (low/med) LOW

Date Received: 10/27/92

Moisture: not dec.

Date Analyzed: 10/29/92

Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q
74-87-3-----	Chloromethane	10	U	
74-83-9-----	Bromomethane	10	U	
75-01-4-----	Vinyl Chloride	10	U	
75-00-3-----	Chloroethane	10	U	
75-09-2-----	Methylene Chloride	2	BJ	
67-64-1-----	Acetone	10	U	
75-15-0-----	Carbon Disulfide	10	U	
75-35-4-----	1,1-Dichloroethene	10	U	
75-34-3-----	1,1-Dichloroethane	10	U	
540-59-0-----	1,2-Dichloroethene (total)	10	U	
67-66-3-----	Chloroform	10	U	
107-06-2-----	1,2-Dichloroethane	3	J	
78-93-3-----	2-Butanone	10	U	
71-55-6-----	1,1,1-Trichloroethane	10	U	
56-23-5-----	Carbon Tetrachloride	10	U	
75-27-4-----	Bromodichloromethane	10	U	
78-87-5-----	1,2-Dichloropropane	10	U	
10061-01-5-----	cis-1,3-Dichloropropene	10	U	
79-01-6-----	Trichloroethene	4	J	
124-48-1-----	Dibromochloromethane	10	U	
79-00-5-----	1,1,2-Trichloroethane	10	U	
71-43-2-----	Benzene	10	U	
10061-02-6-----	trans-1,3-Dichloropropene	10	U	
75-25-2-----	Bromoform	10	U	
591-78-6-----	2-Hexanone	10	U	
108-10-1-----	4-Methyl-2-Pentanone	10	U	
127-18-4-----	Tetrachloroethene	10	U	
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U	
108-88-3-----	Toluene	10	U	
108-90-7-----	Chlorobenzene	10	U	
100-41-4-----	Ethylbenzene	10	U	
100-42-5-----	Styrene	10	U	
1330-20-7-----	Xylene (total)	10	U	

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

WP-03-02

Lab Name: CH2M HILL/MGM

Contract: _____

Lab Code: _____ Case No.: V23094 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 23094001

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: C2VO024855

Level: (low/med) LOW Date Received: 10/27/92

Moisture: not dec. Date Analyzed: 10/29/92

C Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

Oil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WP-04-01

Lab Name: CH2M HILL/MGM

Contract: _____

Lab Code: _____

Case No.: 23113

SAS No.: _____

SDG No.: GC-MS

Matrix: (soil/water) WATER

Lab Sample ID: 23113001

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: B1VO017380

Level: (low/med) LOW

Date Received: 10/29/92

Moisture: not dec.

Date Analyzed: 11/03/92

Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Oil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	11	B
67-64-1-----	Acetone	7	BJ
75-15-0-----	Carbon Disulfide	2	J
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
591-78-6-----	2-Hexanone	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (total)	10	U

NS

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

WP-04-01

ab Name: CH2M HILL/MGM

Contract: _____

ab Code: _____ Case No.: 23113SAS No.: _____ SDG No.: GC-MSmatrix: (soil/water) WATERLab Sample ID: 23113001ample wt/vol: 5.0 (g/mL) MLLab File ID: B1V0017380evel: (low/med) LOWDate Received: 10/29/92

Moisture: not dec. _____

Date Analyzed: 11/03/92C Column: CAP ID: 0.530 (mm)Dilution Factor: 1.0

oil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WP-04-02

Lab Name: CH2M HILL/MGM

Contract: _____

Lab Code: _____

Case No.: 23143

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 23143001

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: B1VO017381

Level: (low/med) LOW

Date Received: 10/30/92

Moisture: not dec. _____

Date Analyzed: 11/03/92

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	1	J
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	5	BJ
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	1	J
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
591-78-6-----	2-Hexanone	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (total)	10	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

WP-04-02

Lab Name: CH2M HILL/MGM

Contract: _____

Lab Code: _____ Case No.: 23143

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 23143001

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: B1V0017381

Level: (low/med) LOW

Date Received: 10/30/92

Moisture: not dec. _____

Date Analyzed: 11/03/92

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	NOT IDENTIFIED	4.23	7	J

[Signature]

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WP-05-01

Lab Name: CH2M HILL/MGM

Contract: _____

Lab Code: _____

Case No.: 23154

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 23154001

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: B1VO017376

Level: (low/med) LOW

Date Received: 10/31/92

Moisture: not dec.

Date Analyzed: 11/03/92

Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Oil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND			
74-87-3-----	Chloromethane	10	U	
74-83-9-----	Bromomethane	10	U	
75-01-4-----	Vinyl Chloride	10	U	
75-00-3-----	Chloroethane	10	U	
75-09-2-----	Methylene Chloride	3	BJ	
67-64-1-----	Acetone	10	U	
75-15-0-----	Carbon Disulfide	49		
75-35-4-----	1,1-Dichloroethene	10	U	
75-34-3-----	1,1-Dichloroethane	10	U	
540-59-0-----	1,2-Dichloroethene (total)	10	U	
67-66-3-----	Chloroform	10	U	
107-06-2-----	1,2-Dichloroethane	10	U	
78-93-3-----	2-Butanone	10	U	
71-55-6-----	1,1,1-Trichloroethane	10	U	
56-23-5-----	Carbon Tetrachloride	10	U	
75-27-4-----	Bromodichloromethane	10	U	
78-87-5-----	1,2-Dichloropropane	10	U	
10061-01-5-----	cis-1,3-Dichloropropene	10	U	
79-01-6-----	Trichloroethene	10	U	
124-48-1-----	Dibromochloromethane	10	U	
79-00-5-----	1,1,2-Trichloroethane	10	U	
71-43-2-----	Benzene	10	U	
10061-02-6-----	trans-1,3-Dichloropropene	10	U	
75-25-2-----	Bromoform	10	U	
591-78-6-----	2-Hexanone	10	U	
108-10-1-----	4-Methyl-2-Pentanone	10	U	
127-18-4-----	Tetrachloroethene	10	U	
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U	
108-88-3-----	Toluene	10	U	
108-90-7-----	Chlorobenzene	10	U	
100-41-4-----	Ethylbenzene	10	U	
100-42-5-----	Styrene	10	U	
1330-20-7-----	Xylene (total)	10	U	

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

WP-05-01

Lab Name: CH2M HILL/MGM

Contract: _____

Lab Code: _____

Case No.: 23154

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 23154001

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: B1V0017376

Level: (low/med) LOW

Date Received: 10/31/92

Moisture: not dec.

Date Analyzed: 11/03/92

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Oil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 2. 556-67-2	NOT IDENTIFIED CYCLOTETRASILOXANE, OCTAMETH	4.05 22.62	5 11	J J

VOLATILE ORGANICS ANALYSIS DATA SHEET

WP-05-02

ab Name: CH2M HILL/MGM Contract: _____ab Code: _____ Case No.: 23154 SAS No.: _____ SDG No.: _____atrix: (soil/water) WATER Lab Sample ID: 23154002ample wt/vol: 5.0 (g/mL) ML Lab File ID: B1VO017382evel: (low/med) LOW Date Received: 10/31/92Moisture: not dec. _____ Date Analyzed: 11/03/92C Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

oil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	5	BJ
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	18	
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
591-78-6-----	2-Hexanone	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (total)	10	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

WP-05-02

Lab Name: CH2M HILL/MGM

Contract: _____

Lab Code: _____ Case No.: 23154 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 23154002

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: B1V0017382

Level: (low/med) LOW

Date Received: 10/31/92

Moisture: not dec.

Date Analyzed: 11/03/92

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	NOT IDENTIFIED	4.40	6	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WP-06-01

Lab Name: CH2M HILL/MGM

Contract: _____

Lab Code: _____ Case No.: V23155 SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATER Lab Sample ID: 23155001Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B1V0017383Level: (low/med) LOW Date Received: 11/01/92Moisture: not dec. Date Analyzed: 11/03/92GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
---------	----------	---	---

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	4	BJ
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	20	
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
591-78-6-----	2-Hexanone	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (total)	10	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

WP-06-01

Lab Name: CH2M HILL/MGM

Contract: _____

Lab Code: _____

Case No.: V23155

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATERLab Sample ID: 23155001Sample wt/vol: 5.0 (g/mL) MLLab File ID: B1V0017383Level: (low/med) LOWDate Received: 11/01/92

Moisture: not dec. _____

Date Analyzed: 11/03/92GC Column: CAP ID: 0.530 (mm)Dilution Factor: 1.0

Oil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	NOT IDENTIFIED	4.40	5	J
2. 13466-78-9	3-CARENE	22.87	8	J
3.	NOT IDENTIFIED	24.62	6	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: CH2M HILL/MGM

Contract: _____

WP-06-02

Lab Code: _____ Case No.: V23155 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 23155002

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B1VO017406

Level: (low/med) LOW Date Received: 11/01/92

Moisture: not dec. Date Analyzed: 11/03/92

GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	1	BJ
67-64-1-----	Acetone	7	J
75-15-0-----	Carbon Disulfide	24	
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (total)	96	
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	80	
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	340	E
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
591-78-6-----	2-Hexanone	2	J
108-10-1-----	4-Methyl-2-Pentanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	4	J
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	96	
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (total)	64	

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

WP-06-02

Lab Name: CH2M HILL/MGM

Contract: _____

Lab Code: _____

Case No.: V23155

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 23155002

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: B1V0017406

Level: (low/med) LOW

Date Received: 11/01/92

Moisture: not dec. _____

Date Analyzed: 11/03/92

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Oil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	NOT IDENTIFIED	5.35	260	J
2. 109-66-0	PENTANE (ACN) (DOT)	6.12	24	J
3. 79-29-8	BUTANE, 2,3-DIMETHYL-	8.39	44	J
4. 287-92-3	CYCLOPENTANE (DOT)	8.97	18	J
5. 96-37-7	CYCLOPENTANE, METHYL-	11.29	43	J
	NOT IDENTIFIED	12.45	24	J
7. 110-82-7	CYCLOHEXANE (DOT)	12.82	37	J
8.	PENTANE, TRIMETHYL- ISOMER	15.87	15	J
9. 98-82-8	BENZENE, (1-METHYLETHYL)-	23.04	13	J
10.	BENZENE, TRIMETHYL- ISOMER	25.31	8	J

VOLATILE ORGANICS ANALYSIS DATA SHEET

WP-06-02_DL

ab Name: CH2M HILL/MGM Contract: _____

ab Code: _____ Case No.: V23155 SAS No.: _____ SDG No.: _____

matrix: (soil/water) WATER Lab Sample ID: 23155002DL

ample wt/vol: 5.0 (g/mL) ML Lab File ID: B2V0017409

evel: (low/med) LOW Date Received: 11/01/92

Moisture: not dec. _____ Date Analyzed: 11/04/92

C Column: CAP ID: 0.530 (mm) Dilution Factor: 2.0

oil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
74-87-3-----	Chloromethane	20	U
74-83-9-----	Bromomethane	20	U
75-01-4-----	Vinyl Chloride	20	U
75-00-3-----	Chloroethane	20	U
75-09-2-----	Methylene Chloride	4	BDJ
67-64-1-----	Acetone	8	DJ
75-15-0-----	Carbon Disulfide	21	D
75-35-4-----	1,1-Dichloroethene	20	U
75-34-3-----	1,1-Dichloroethane	20	U
540-59-0-----	1,2-Dichloroethene (total)	86	D
67-66-3-----	Chloroform	20	U
107-06-2-----	1,2-Dichloroethane	20	U
78-93-3-----	2-Butanone	20	U
71-55-6-----	1,1,1-Trichloroethane	20	U
56-23-5-----	Carbon Tetrachloride	20	U
75-27-4-----	Bromodichloromethane	20	U
78-87-5-----	1,2-Dichloropropane	20	U
10061-01-5-----	cis-1,3-Dichloropropene	20	U
79-01-6-----	Trichloroethene	76	D
124-48-1-----	Dibromochloromethane	20	U
79-00-5-----	1,1,2-Trichloroethane	20	U
71-43-2-----	Benzene	320	D
10061-02-6-----	trans-1,3-Dichloropropene	20	U
75-25-2-----	Bromoform	20	U
591-78-6-----	2-Hexanone	20	U
108-10-1-----	4-Methyl-2-Pentanone	20	U
127-18-4-----	Tetrachloroethene	20	U
79-34-5-----	1,1,2,2-Tetrachloroethane	20	U
108-88-3-----	Toluene	4	DJ
108-90-7-----	Chlorobenzene	20	U
100-41-4-----	Ethylbenzene	91	D
100-42-5-----	Styrene	20	U
1330-20-7-----	Xylene (total)	59	D

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

WP-06-02_DL

Lab Name: CH2M HILL/MGM

Contract: _____

Lab Code: _____ Case No.: V23155 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 23155002DL

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: B2VO017409

Level: (low/med) LOW

Date Received: 11/01/92

Moisture: not dec.

Date Analyzed: 11/04/92

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 2.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	NOT IDENTIFIED	5.33	140	J
2. 763-29-1	CYCLOPENTANE, METHYL	11.32	25	J
3. 110-82-7	CYCLOHEXANE (DOT	12.87	26	J
4. 98-82-8	BENZENE, (1-METHYLETHYL)-	23.10	12	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WP-07-02

Lab Name: CH2M HILL/MGM

Contract: _____

Lab Case No.: 23168

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 23168001

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: B1V0017420

Level: (low/med) LOW

Date Received: 11/03/92

Moisture: not dec. _____

Date Analyzed: 11/04/92

C Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	UG/L	Q
74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	1	BJ
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	17	
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	2	J
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
591-78-6-----	2-Hexanone	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (total)	10	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

WP-07-02

Lab Name: CH2M HILL/MGM

Contract: _____

Lab Code: _____ Case No.: 23168 SAS No.: _____ SDG No.: _____Matrix: (soil/water) WATER Lab Sample ID: 23168001Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B1VO017420Level: (low/med) LOW Date Received: 11/03/92Moisture: not dec. Date Analyzed: 11/04/92GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS:(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

VOLATILE ORGANICS ANALYSIS DATA SHEET

WP-07-01

Lab Name: CH2M HILL/MGM

Contract: _____

Lab Code: _____

Case No.: V23155

SAS No.: _____

SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 23155005

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: B1VO017408

Level: (low/med) LOW

Date Received: 11/01/92

Moisture: not dec. _____

Date Analyzed: 11/04/92

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

74-87-3-----Chloromethane	10	U
74-83-9-----Bromomethane	10	U
75-01-4-----Vinyl Chloride	10	U
75-00-3-----Chloroethane	10	U
75-09-2-----Methylene Chloride	10	U
67-64-1-----Acetone	10	U
75-15-0-----Carbon Disulfide	9	J
75-35-4-----1,1-Dichloroethene	10	U
75-34-3-----1,1-Dichloroethane	10	U
540-59-0-----1,2-Dichloroethene (total)	10	U
67-66-3-----Chloroform	10	U
107-06-2-----1,2-Dichloroethane	10	U
78-93-3-----2-Butanone	10	U
71-55-6-----1,1,1-Trichloroethane	10	U
56-23-5-----Carbon Tetrachloride	10	U
75-27-4-----Bromodichloromethane	10	U
78-87-5-----1,2-Dichloropropane	10	U
10061-01-5-----cis-1,3-Dichloropropene	10	U
79-01-6-----Trichloroethene	10	U
124-48-1-----Dibromochloromethane	10	U
79-00-5-----1,1,2-Trichloroethane	10	U
71-43-2-----Benzene	10	U
10061-02-6-----trans-1,3-Dichloropropene	10	U
75-25-2-----Bromoform	10	U
591-78-6-----2-Hexanone	10	U
108-10-1-----4-Methyl-2-Pentanone	10	U
127-18-4-----Tetrachloroethene	10	U
79-34-5-----1,1,2,2-Tetrachloroethane	10	U
108-88-3-----Toluene	10	U
108-90-7-----Chlorobenzene	10	U
100-41-4-----Ethylbenzene	10	U
100-42-5-----Styrene	10	U
1330-20-7-----Xylene (total)	10	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

WP-07-01

ab Name: CH2M HILL/MGM Contract: _____

ab code: _____ Case No.: V23155 SAS No.: _____ SDG No.: _____

matrix: (soil/water) WATER Lab Sample ID: 23155005

ample wt/vol: 5.0 (g/mL) ML Lab File ID: B1V0017408

evel: (low/med) LOW Date Received: 11/01/92

Moisture: not dec. Date Analyzed: 11/04/92

C Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

oil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

UNVALIDATED